Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/19/2022 11:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124504	-1	4.45	124465	4.42
Blue	F	SSC	125000	124507	-1	4.79	125185	4.82
Blue	E	FITC	13602	13208	-3	4.67	368	13.85
Blue	D	PE	24891	24340	-3	4.48	577	11.77
Blue	B	PerCP-Cy5-5	33972	33159	-3	5.15	944	16.42
Blue	A	PE-Cy7	22865	22922	0	7.32	474	33.59
Red	C	APC	47198	46783	-1	4.12	1622	12.42
Red	A	APC-Cy7	26454	25543	-4	4.77	718	13.64
Violet	B	V450	6737	6452	-5	6.00	450	13.30
Violet	A	V500	29317	28162	-4	5.65	966	9.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23783	5.28	572	37	N/A	N/A	Pass
Blue	F	SSC	55084	4.47	524	3	N/A	N/A	Pass
Blue	E	FITC	55	57.02	493	9	0.0503	293	Pass
Blue	D	PE	111	41.82	496	10	0.3678	336	Pass
Blue	B	PerCP-Cy5-5	147	43.18	591	12	0.0169	33	Pass
Blue	A	PE-Cy7	78	86.26	639	18	0.0188	2	Pass
Red	C	APC	335	27.60	581	9	0.0250	180	Pass
Red	A	APC-Cy7	133	36.72	559	8	0.0054	1095	Pass
Violet	B	V450	76	53.28	448	-2	0.0487	2645	Pass
Violet	A	V500	113	34.33	468	-1	0.0233	1150	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.59	-31.34	1.19
Blue	20.34	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.43
Red	15.27	13.90 - 20.86	N/A	N/A	29.91	30.07	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9575

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments